

KAKE HARBOR, ALASKA
(CWIS NO. 72739)

Condition of Improvement 30 September 2000

AUTHORIZATION: Rivers and Harbors Act, 13 August 1968 (Senate Doc. 249, 75th Congress, 1st Session) as adopted, provides for a 1,580 foot long west breakwater and a 900 foot long south breakwater enclosing a 7 acre berthing area at -15 feet MLLW.

EXISTING PROJECT:	<u>LENGTH</u>	<u>HEIGHT</u>	<u>WIDTH</u>
?? Breakwater	1,240 ft.	22-23.5 ft.	varies

PROJECT USAGE: Fishing vessels find moorage at Portage Cove Harbor, a site 3 miles from town, protected by the new permanent Federal breakwater and a state maintained floating breakwater.

PROGRESS OF WORK:

- 1971 - Pre-construction planning is initiated; field surveys are completed.
- 1972 - Foundation and materials investigations begin.
- 1976 - Pre-construction investigations reveal poor foundation conditions resulting in project re-evaluation and reformulation.
- 1979 - Additional field investigation verifies poor subsurface conditions. The project is modified to include a 1,150 foot long west breakwater with a 960 foot shoreward access causeway and a 1,050 foot long floating south breakwater.
- 1980 - Sampling and testing of bottom sediments is conducted.
- 1982 - Plans and specifications are completed.
- 1983 - A wind monitoring station is set up in June, and an aquatic biological study is initiated.
- 1986 - The biological study is completed and wind data collection continues.
- 1991 - Wind data is evaluated.
- 1994 - A geophysical investigation is conducted at the Portage Cove harbor about 3 miles from the town site.
- 1996 - A General Reevaluation Report is issued in July covering possibilities at the Portage Cove site.
- 1998 - Breakwater construction begins at Portage Cove.
- 2000 - The breakwater is completed in October.

COST TO DATE:	<u>New Work</u>	<u>Maintenance</u>	<u>Total</u>
United States Funds	\$ 15,143,000	-0-	\$ 15,143,000
Contributed Funds	\$ 1,971,000	-0-	\$ 1,971,000
Total Costs	\$ 17,114,000	-0-	\$ 17,114,000

RANGE OF TIDE:	<u>Mean Range</u>	<u>Diurnal Range</u>	<u>Extreme Range</u>
	12.0'	14.0'	22.0'